
MORSE

(TM)

Release 3.1a John F. Collins, Biocomputing Research Unit.
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Msrch_n n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Sat Jan 15 08:26:15 2000; MasPer time 546.25 Seconds
1227.104 Million cell updates/sec

Tabular output not generated.

Title: >US-08-978-217-15

Description: (1-7752) from US08978217.seq (10 of 10)

Perfect Score: 7751 1 GGATCGTTCAGAGCAGCTGA.....CAGAGGGTCTCGTGGATCC 7752

N.A. Sequence: CCTAGGAGAGGTTCGCTGACT.....GTCTCCAGAGAGACTAGG

Comp: 1

Scoring table: TABLE default

Gap 6

Nmatch STD : Dbase 0; Query 0

Searched: 165362 seqs, 43234748 bases x 2

Post-processing: Minimum Match 08
Listing first 45 summaries

Database: n-issued
1:5A_COMB 2:5B_COMB 3:5C_COMB 4:PCT9_COMB 5:backfiles1

Statistics: Mean 10.353; Variance 5.835; scale 1.774

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description	Pred. No.
1	163	2.1	1920	3	US-08-746-	Sequence 1, Applicatio	4.87e-93
2	97	1.3	7218	2	US-08-232-	Sequence 14, Applicati	4.43e-46
3	94	1.2	3293	1	US-07-923-	Sequence 1, Applicatio	5.27e-44
4	92	1.2	4698	1	US-08-299-	Sequence 5, Applicatio	1.26e-42
5	92	1.2	4698	1	US-07-807-	Sequence 5, Applicatio	1.26e-42
6	90	1.2	5687	3	US-08-380-	Sequence 3, Applicatio	3.01e-41
7	83	1.1	240	2	US-08-487-	Sequence 6, Applicatio	1.84e-36
8	88	1.1	535	2	US-08-686-	Sequence 38, Applicati	7.10e-40
9	84	1.1	1355	1	US-07-757-	Sequence 4, Applicati	3.84e-37
10	84	1.1	1355	3	US-08-442-	Sequence 4, Applicati	3.84e-37
11	84	1.1	1355	3	US-08-442-	Sequence 16, Applicati	3.84e-37
12	84	1.1	1355	3	US-08-442-	Sequence 16, Applicati	3.84e-37
13	84	1.1	1355	3	US-08-442-	Sequence 16, Applicati	3.84e-37
14	84	1.1	1355	1	US-07-757-	Sequence 4, Applicati	3.84e-37
15	85	1.1	1753	4	PCT-US95-0	Sequence 6, Applicatio	8.00e-38
16	84	1.1	1808	1	US-08-442-	Sequence 2, Applicati	3.84e-37
17	84	1.1	1808	1	US-07-757-	Sequence 2, Applicati	3.84e-37
18	84	1.1	1808	3	US-08-442-	Sequence 15, Applicati	3.84e-37
19	84	1.1	1808	3	US-08-442-	Sequence 15, Applicati	3.84e-37
20	84	1.1	1808	3	US-08-442-	Sequence 15, Applicati	3.84e-37

C	21	84	1.1	1808	3	US-08-442-	Sequence 2, Applicatio	3.84e-37
C	22	82	1.1	2797	3	US-08-555-	Sequence 4, Applicatio	8.82e-36
C	23	84	1.1	3892	3	US-08-555-	Sequence 3, Applicatio	3.84e-37
C	24	76	1.0	3963	4	PCT-US96-0	Sequence 1, Applicatio	1.00e-31
C	25	76	1.0	3963	4	US-08-464-	Sequence 1, Applicatio	1.00e-31
C	26	77	1.0	4016	4	PCT-US95-0	Sequence 1, Applicatio	2.12e-32
C	27	70	0.9	7218	2	US-08-232-	Sequence 14, Applicati	1.02e-27
C	28	60	0.8	305	2	US-08-253-	Sequence 4, Applicati	3.65e-21
C	29	60	0.8	329	2	US-08-253-	Sequence 23, Applicati	3.65e-21
C	30	60	0.8	349	2	US-08-253-	Sequence 11, Applicati	3.65e-21
C	31	60	0.8	2191	2	US-08-417-	Sequence 11, Applicati	3.65e-21
C	32	63	0.8	2280	4	PCT-US96-0	Sequence 5, Applicatio	4.12e-23
C	33	63	0.8	2280	1	US-08-415-	Sequence 5, Applicatio	4.12e-23
C	34	62	0.8	2830	4	PCT-US93-0	Sequence 1, Applicatio	1.84e-22
C	35	62	0.8	2830	1	US-07-882-	Sequence 1, Applicatio	1.84e-22
C	36	61	0.8	5253	3	US-08-290-	Sequence 3, Applicatio	8.22e-22
C	37	61	0.8	26700	2	US-08-472-	Sequence 1, Applicatio	8.22e-22
C	38	61	0.8	26700	3	US-08-488-	Sequence 5, Applicatio	8.22e-22
C	39	54	0.7	352	3	US-08-147-	Sequence 3, Applicatio	2.35e-17
C	40	58	0.7	494	3	US-08-332-	Sequence 23, Applicati	7.09e-20
C	41	58	0.7	2263	1	US-08-176-	Sequence 1, Applicatio	7.09e-20
C	42	58	0.7	2263	4	PCT-US94-1	Sequence 1, Applicatio	7.09e-20
C	43	58	0.7	5191	3	US-08-669-	Sequence 1, Applicatio	7.09e-20
C	44	53	0.7	5191	1	US-08-340-	Sequence 1, Applicatio	1.07e-16
C	45	53	0.7	5191	4	PCT-US93-0	Sequence 1, Applicatio	1.07e-16

ALIGNMENTS

RESULT 1
US-08-746-789A-1 STANDARD; DNA; UNC; 1920 BP.
xxxxxx
AC Sequence 1, Application US/08746789A
DT Sequence 1, Application US/08746789A
ID Patent No. 5789200
DE GENERAL INFORMATION:
CC APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck
CC TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESS: Smithline Beecham Corporation
CC STREET: 709 Swedeland Road, P.O. Box 1339
CC CITY: King of Prussia
CC STATE: PA
CC COUNTRY: USA
CC ZIP: 19406-0939
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
CC OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
CC SOFTWARE: MICROSOFT WORD
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/746,789A
CC FILING DATE: No. 5789200el 15, 1996
CC CLASSIFICATION: 514
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER:
CC FILING DATE:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: William T. Han
CC REGISTRATION NUMBER: 34,344
CC REFERENCE/DOCKET NUMBER: ATG 50024
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 610 270 5219
CC TELEFAX: 610 270 4026
CC INFORMATION FOR SEQ ID NO: 1:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 1920
CC TYPE: Nucleic Acid
CC STRANDEDNESS: Single
CC TOPOLOGY: Linear
CC ANTI-SENSE: NO

CC NAME: Hellwege, James W.
CC REGISTRATION NUMBER: 28,808
CC REFERENCE/DOCKET NUMBER: 514853
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 703-415-1500
CC TELEFAX: 703-415-1508
CC INFORMATION FOR SEQ ID NO: 1:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 3293 base pairs
CC TYPE: NUCLEIC ACID
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: cDNA to mRNA
CC FEATURE:
CC NAME/KEY: CDS
CC LOCATION: 180..2690
SQ SEQUENCE 3293 BP: 799 A; 973 C; 795 G; 726 T; 0 OTHER.

Query Match 1.2%; Score 94; DB 1; Length 3293;
Best Local Similarity 87.9%; Pred. No. 5,27e-44;
Matches 109; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Db 3132 CTTTATCCAGCACTCGGAGGACAGGAGCTAGATTCTGAGTGGAGCCAGCCTG 3191
CP 1977 CTTTATCCAGCACTCGTGAAGTAGAGTAGAGATTCTGAGTGGAGCCAGCCTT 1918

Db 3192 GTCTACAAAGTAGTTCACAGACGACGAGCTATACAGAGAACCTGTCTGAAAAA 3251
CP 1917 GTCTACAGAGTAGTTCACAGACGACGAGCTATACAGAGAACCTGTCTGAAAAA 1858

Db 3252 AAAA 3255
CP 1857 TAAA 1854

RESULT 4
ID US-08-299-849B-5 STANDARD; DNA: UNC; 4698 BP.
AC xxxxxx
DE Sequence 5, Application US/08299849B
CC Sequence 5, Application US/08299849B
CC Patent No. 5612201
CC GENERAL INFORMATION:
CC APPLICANT: De Plaen, Etienne; Boon-Falleur, Thierry;
CC APPLICANT: Leith, Bernard; Szikora, Jean-Pierre; De Smet, Charles;
CC APPLICANT: Chomez, Patrick
CC TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful In
CC TITLE OF INVENTION: Determining Expression Of A Tumor Antigen Precursor
CC NUMBER OF SEQUENCES: 48
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Felte & Lynch
CC STREET: 805 Third Avenue
CC CITY: New York City
CC STATE: New York
CC ZIP: 10022
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
CC COMPUTER: IBM
CC OPERATING SYSTEM: PC-DOS
CC SOFTWARE: Wordperfect
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/299,849B
CC FILING DATE: 1-SEPTEMBER-1994
CC CLASSIFICATION: 435
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 08/037,230
CC FILING DATE: 26-MARCH-1993
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: PCT/US92/04354
CC FILING DATE: 22-MAY-1992
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 07/807,043
CC FILING DATE: 12-DECEMBER-1991

CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 07/764,364
CC FILING DATE: 23-SEPTEMBER-1991
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 07/728,838
CC APPLICATION NUMBER: 9-JULY-1991
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 07/705,702
CC FILING DATE: 23-MAY-1991
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Hanson, No. 5612201man D.
CC REGISTRATION NUMBER: 30,946
CC REFERENCE/DOCKET NUMBER: LUD 5355
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (212) 688-9200
CC TELEFAX: (212) 838-3884
CC INFORMATION FOR SEQ ID NO: 5:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 4698 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: genomic DNA
SQ SEQUENCE 4698 BP: 989 A; 1332 C; 866 G; 1511 T; 0 OTHER.

Query Match 1.2%; Score 92; DB 1; Length 4698;
Best Local Similarity 83.3%; Pred. No. 1.26e-42;
Matches 115; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

Db 1552 TTTTGTGTTTTTTTGGTTTTCGACAGAGGTTCTCTTTGATCCCTGGCTGTCT 1611
QY 1840 TTTGTTCTGTAGTTTGTGTTTTCACAGAGAGTTCTGTGTAAGCCGTGGCTGTCT 1899

Db 1612 GGCACCTGCTGTGACACGAGCTGCTCAACTCAGAAATCTGCTGCTGCTGCTC 1671
QY 1900 GGAAGCTGCTGTGACAGAGCTGCTGCTCAACTCAGAAATCTGCTGCTGCTGCT 1959

Db 1672 CAATGCTGGGATTAAAG 1689
QY 1960 GGAGTGTGGGATTAAAG 1977

RESULT 5
ID US-07-807-043B-5 STANDARD; DNA: UNC; 4698 BP.
AC xxxxxx
DE Sequence 5, Application US/07807043B
CC Sequence 5, Application US/07807043B
CC Patent No. 5342774
CC GENERAL INFORMATION:
CC APPLICANT: Boon, Thierry, Van den Eynde, Beno t
CC TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Tumor
CC TITLE OF INVENTION: Rejection Antigens and Uses Thereof
CC NUMBER OF SEQUENCES: 16
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Felte & Lynch
CC STREET: 805 Third Avenue
CC CITY: New York City
CC STATE: New York
CC ZIP: 10022
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
CC COMPUTER: IBM
CC OPERATING SYSTEM: PC-DOS
CC SOFTWARE: Wordperfect
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/07/807,043B
CC FILING DATE: 19911212
CC CLASSIFICATION: 424
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 07/764,364
CC FILING DATE: 23-SEPTEMBER-1991
CC PRIOR APPLICATION DATA:

CP 1989 GCGAGCGACATCTTTATATCCAGACACCTCGAGTAGAGTAGAGATTTCGAGTTC 1930
DB 1251 GAGGCCAGCTTGCTCTATAAGTAGTTCAGAGACGCCAGCTACACAGAAAACCT 1310
CP 1929 GAGGCCAGCTTGCTCTACAGAGTAGTTCAGAGACGCCAGCTACACAGAAAACCT 1870
DB 1311 GTCCTGAAAAAACA 1326
CP 1869 GTCCTGAAAAAACA 1854

RESULT 10
ID US-08-442-281-16 STANDARD; DNA; UNC; 1355 BP.
AC xxxxxx
DE Sequence 16, Application US/08442281
CC Sequence 16, Application US/08442281
CC Patent No. 5807991
CC GENERAL INFORMATION:
CC APPLICANT: Takatsu, Kiyoshi
CC APPLICANT: Tomimaga, Akira
CC APPLICANT: Takagi, Satoshi
CC APPLICANT: Murata, Yoshiyuki
CC TITLE OF INVENTION: Human And Murine Interleukin-5 Receptor
CC NUMBER OF SEQUENCES: 18
CC CORRESPONDENCE ADDRESSES:
CC ADDRESSEE: Pennie & Edmonds
CC STREET: 1155 Avenue of the Americas
CC CITY: New York
CC STATE: New York
CC COUNTRY: U.S.A.
CC ZIP: 10036-2711
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/442,281
CC FILING DATE:
CC CLASSIFICATION:
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 07/757,390
CC FILING DATE: 10-SEP-1991
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Mistock, S. Leslie
CC REGISTRATION NUMBER: 18,872
CC REFERENCE/DOCKET NUMBER: 7005-030
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 212 790-9090
CC TELEFAX: 212 8698864/9741
CC TELETYPE: 66141 PENNIE
CC INFORMATION FOR SEQ ID NO: 16:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 1355 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: cDNA
CC FEATURE:
CC NAME/KEY: CDS
CC LOCATION: 13..1008
CC SEQUENCE 1355 BP; 421 A; 301 C; 293 G; 340 T; 0 OTHER.

Query Match 1.1%; Score 84; DB 3; Length 1355;
Best Local Similarity 80.9%; Pred. No. 3,84e-37;
Matches 110; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

DB 1191 GGTAGAGCTCGCTTTAATACAGACCTGGAGTCCAGACGCGAGATTTCGAGTTC 1250
CP 1989 GCGAGCGACATCTTTATCCAGACCTCTGAAGTAGAGTAGAGATTTCGAGTTC 1930

DB 1251 GAGGCCAGCTTGCTCTATAAGTAGTTCAGAGACGCCAGCTACACAGAAAACCT 1310
CP 1929 GAGGCCAGCTTGCTCTACAGAGTAGTTCAGAGACGCCAGCTACACAGAAAACCT 1870
DB 1311 GTCCTGAAAAAACA 1326
CP 1869 GTCCTGAAAAAACA 1854

RESULT 11
ID US-08-442-281-4 STANDARD; DNA; UNC; 1355 BP.
AC xxxxxx
DE Sequence 4, Application US/08442281
CC Sequence 4, Application US/08442281
CC Patent No. 5807991
CC GENERAL INFORMATION:
CC APPLICANT: Takatsu, Kiyoshi
CC APPLICANT: Tomimaga, Akira
CC APPLICANT: Takagi, Satoshi
CC APPLICANT: Murata, Yoshiyuki
CC TITLE OF INVENTION: Human And Murine Interleukin-5 Receptor
CC NUMBER OF SEQUENCES: 18
CC CORRESPONDENCE ADDRESSES:
CC ADDRESSEE: Pennie & Edmonds
CC STREET: 1155 Avenue of the Americas
CC CITY: New York
CC STATE: New York
CC COUNTRY: U.S.A.
CC ZIP: 10036-2711
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/442,281
CC FILING DATE:
CC CLASSIFICATION:
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 07/757,390
CC FILING DATE: 10-SEP-1991
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Mistock, S. Leslie
CC REGISTRATION NUMBER: 18,872
CC REFERENCE/DOCKET NUMBER: 7005-030
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 212 790-9090
CC TELEFAX: 212 8698864/9741
CC TELETYPE: 66141 PENNIE
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 1355 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: cDNA
CC SEQUENCE 1355 BP; 421 A; 301 C; 293 G; 340 T; 0 OTHER.

Query Match 1.1%; Score 84; DB 3; Length 1355;
Best Local Similarity 80.9%; Pred. No. 3,84e-37;
Matches 110; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

DB 1191 GGTAGAGCTCGCTTTAATACAGACCTGGAGTCCAGACGCGAGATTTCGAGTTC 1250
CP 1989 GCGAGCGACATCTTTATCCAGACCTCTGAAGTAGAGTAGAGATTTCGAGTTC 1930
DB 1251 GAGGCCAGCTTGCTCTATAAGTAGTTCAGAGACGCCAGCTACACAGAAAACCT 1310
CP 1929 GAGGCCAGCTTGCTCTACAGAGTAGTTCAGAGACGCCAGCTACACAGAAAACCT 1870
DB 1311 GTCCTGAAAAAACA 1326

